

Title (en)
FOREIGN MATTER REMOVAL DEVICE FOR TRACK BRANCHING SECTION

Title (de)
FREMDKÖRPERENTFERNUNGSVORRICHTUNG FÜR SPURVERZWEIGUNGSABSCHNITTE

Title (fr)
DISPOSITIF D'ÉLIMINATION DE MATIÈRES ÉTRANGÈRES POUR SECTION D'EMBRANCHEMENT DE VOIE FERRÉE

Publication
EP 2765239 A1 20140813 (EN)

Application
EP 12832037 A 20120911

Priority
• JP 2011203742 A 20110916
• JP 2012173757 A 20120806
• JP 2012005750 W 20120911

Abstract (en)
There is provided a foreign material removing device of a track turnout portion which can tightly attach and fix nozzles to a rail belly portion stably without machining a rail itself. A foreign material removing device 100 of a track turnout portion which has point rails 502 which can move to contact and move away from stock rails 501 of the track turnout portion 800, and which removes a foreign material dropped between the stock rail 501 and the point rail 502, includes a piping unit which includes a plurality of nozzle portions 110 which spray compressed air AIR to remove the foreign material, and the piping unit includes a close-contact arrangement structure in which the piping unit is arranged in close contact with a lateral surface of the stock rail 501 opposed to the point rail 502.

IPC 8 full level
E01H 8/00 (2006.01); **B08B 5/02** (2006.01); **B61L 1/20** (2006.01); **B61L 5/02** (2006.01); **B61L 5/10** (2006.01); **E01B 7/20** (2006.01); **E01B 19/00** (2006.01)

CPC (source: EP RU US)
B08B 5/02 (2013.01 - EP US); **B61L 1/20** (2013.01 - EP US); **B61L 5/02** (2013.01 - EP US); **B61L 5/10** (2013.01 - EP US); **E01B 7/20** (2013.01 - EP RU US); **E01B 19/00** (2013.01 - EP RU US); **E01H 8/00** (2013.01 - RU)

Cited by
EP3546648A1; EP3546647A1; US2017130412A1; EP3168365A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2765239 A1 20140813; **EP 2765239 A4 20150909**; **EP 2765239 B1 20240605**; CA 2848310 A1 20130321; CA 2848310 C 20160809; CN 103946454 A 20140723; CN 103946454 B 20170405; FI 2765239 T3 20240626; JP 5814379 B2 20151117; JP WO2013038657 A1 20150323; RU 2014114405 A 20151027; RU 2600559 C2 20161020; US 2014345657 A1 20141127; US 9873140 B2 20180123; WO 2013038657 A1 20130321

DOCDB simple family (application)
EP 12832037 A 20120911; CA 2848310 A 20120911; CN 201280056522 A 20120911; FI 12832037 T 20120911; JP 2012005750 W 20120911; JP 2013533500 A 20120911; RU 2014114405 A 20120911; US 201214345191 A 20120911